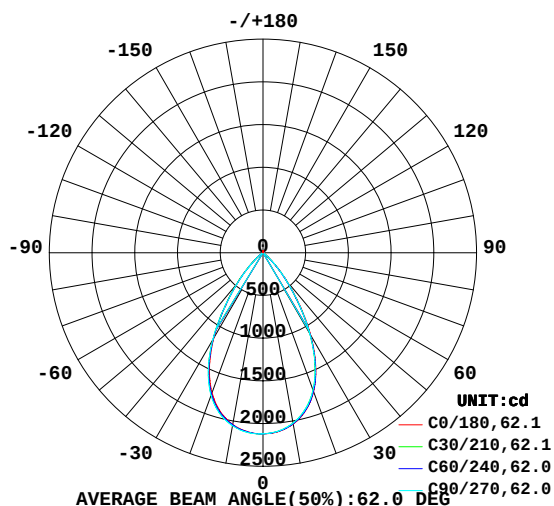


LUMINAIRE PHOTOMETRIC TEST REPORT

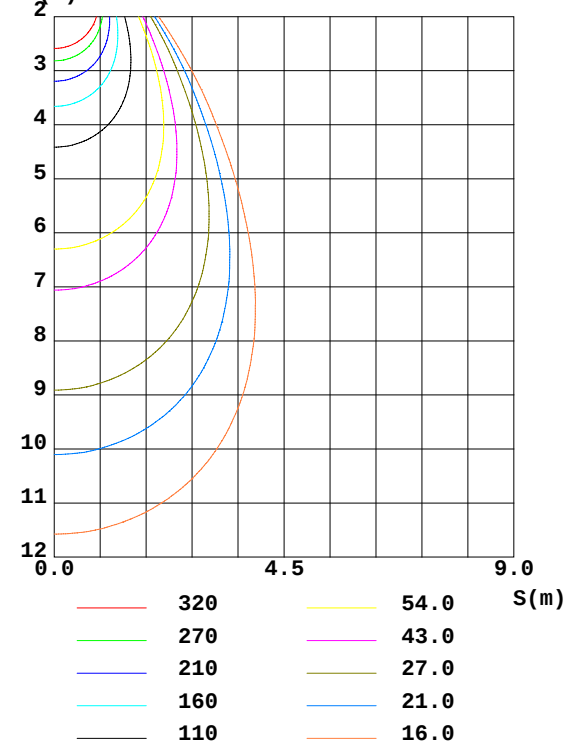
NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.89 lm/W			
MODEL	CXA1830	I _{max} (cd)	2121	S/MH(C0/180)	0.93
NOMINAL POWER(W)	30	LOR(%)	117.0	S/MH(C90/270)	0.94
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2127.3	η UP, DN(C0-180)	1.0, 56.9
NOMINAL FLUX(lm)	1818.22	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 58.2
LAMPS INSIDE	1	η up(%)	1.9	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	115.1	CIBSE SHR MAX	0.95

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-10-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

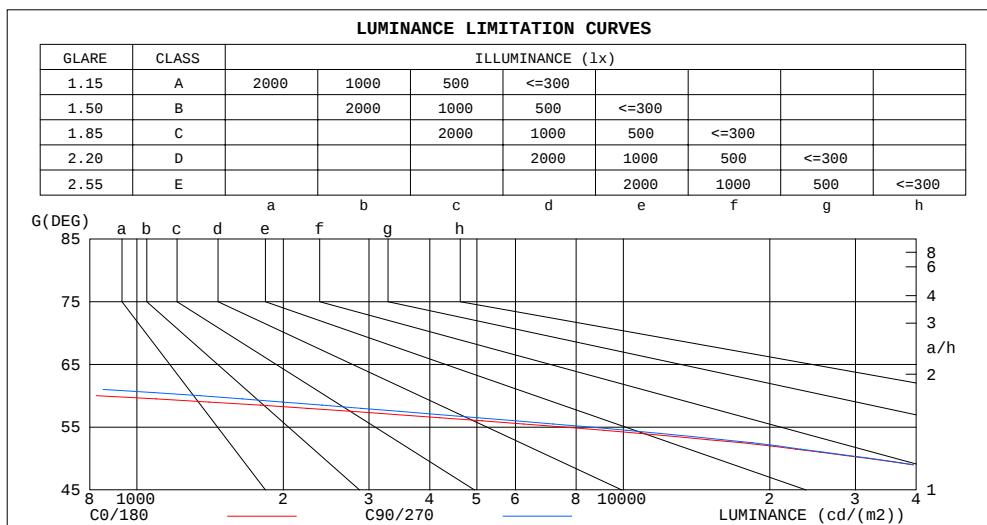
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2035	2040	2024	2032	2041	2039	2056	2048	0- 10	198.7	198.7	9.34,10.9
20	1730	1743	1712	1730	1745	1742	1778	1751	10- 20	537.9	736.5	34.6,40.5
30	1118	1128	1100	1142	1151	1139	1173	1134	20- 30	669.3	1406	66.1,77.3
40	443.3	430.3	430.4	482.8	478.8	462.8	472.3	454.6	30- 40	480.6	1886	88.7,104
50	73.59	72.93	75.18	94.16	93.61	88.61	88.16	75.54	40- 50	182.7	2069	97.3,114
60	1.481	1.858	2.445	3.081	2.637	2.238	2.370	1.430	50- 60	23.68	2093	98.4,115
70	0	0	0	0	0	0	0	0	60- 70	0.2679	2093	98.4,115
80	0	0	0	0	0	0	0	0	70- 80	0	2093	98.4,115
90	0	0	0	0	0	0	0	0	80- 90	0	2093	98.4,115
100	0	0	0	0	0	0	0	0	90-100	0	2093	98.4,115
110	0	0	0	0	0	0	0	0	100-110	0	2093	98.4,115
120	2.520	2.438	2.538	2.304	0.8276	0.8028	0.7533	1.022	110-120	0.4492	2094	98.4,115
130	7.068	6.996	7.180	6.916	4.956	4.935	4.836	5.149	120-130	3.322	2097	98.6,115
140	12.08	12.06	12.29	12.09	9.844	9.817	9.676	9.939	130-140	6.518	2103	98.9,116
150	16.54	16.43	16.85	16.59	14.38	14.25	14.21	14.27	140-150	8.295	2112	99.3,116
160	19.51	19.17	19.78	19.43	17.70	17.44	17.70	17.54	150-160	7.864	2120	99.6,117
170	21.73	21.76	22.07	22.03	20.82	20.86	20.96	20.95	160-170	5.619	2125	99.9,117
180	23.50	23.81	23.63	23.97	23.56	23.77	23.66	23.96	170-180	2.139	2127	100,117
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:XYJ
 Test Date:2018-10-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	0	0
65	0	0
60	825	1348
55	7542	8540
50	31888	32243
45	82444	80735

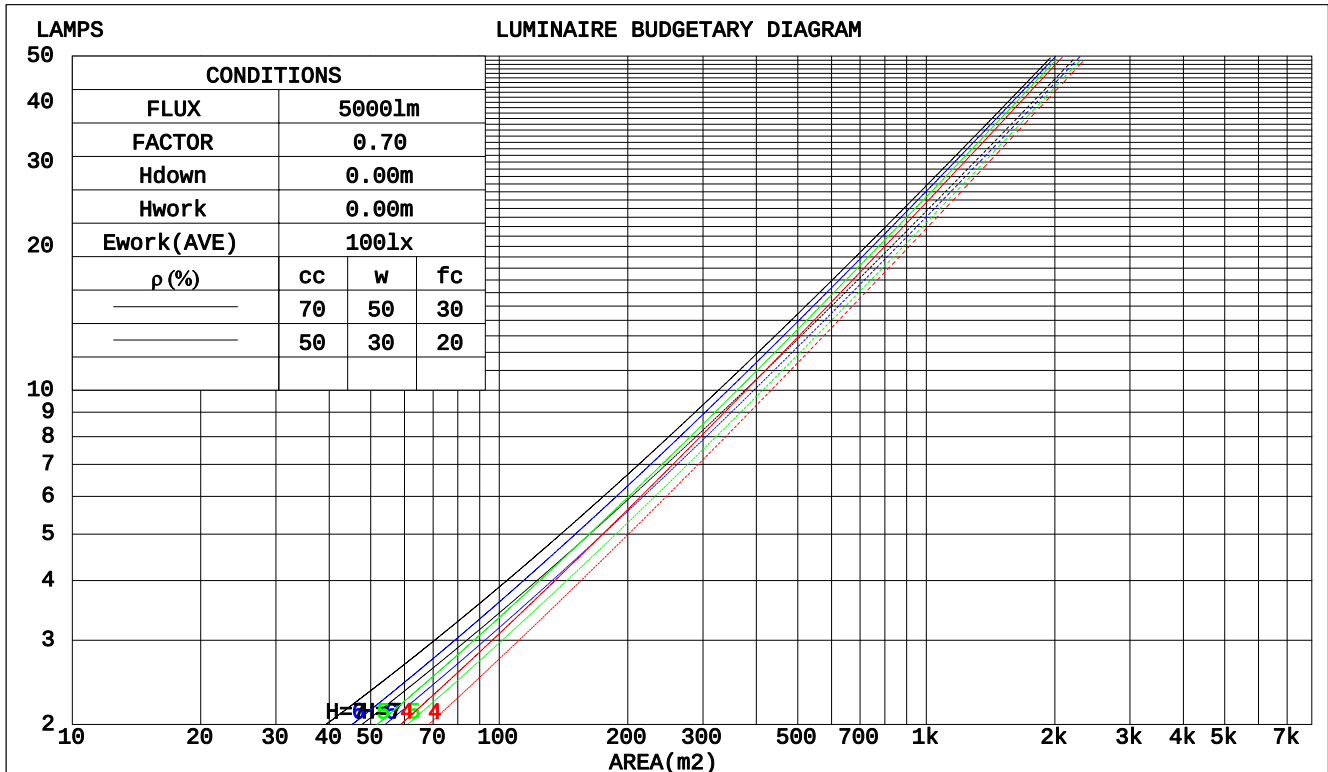
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:XYJ
 Test Date:2018-10-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.39	1.39	1.39	1.35	1.35	1.35	1.29	1.29	1.29	1.23	1.23	1.23	1.18	1.18	1.18	1.15
1.0	1.29	1.26	1.23	1.26	1.24	1.21	1.21	1.19	1.17	1.16	1.15	1.13	1.12	1.11	1.10	1.07
2.0	1.20	1.15	1.11	1.17	1.13	1.09	1.13	1.10	1.07	1.10	1.07	1.04	1.06	1.04	1.02	.00
3.0	1.11	1.05	1.00	1.09	1.04	.99	1.06	1.01	.98	1.03	.99	.96	1.00	.97	.94	.92
4.0	1.03	.97	.92	1.02	.96	.91	.99	.94	.90	.97	.92	.89	.94	.90	.87	.85
5.0	.96	.89	.84	.95	.89	.84	.93	.87	.83	.91	.86	.82	.89	.84	.81	.79
6.0	.90	.83	.78	.89	.82	.77	.87	.81	.77	.85	.80	.76	.84	.79	.75	.74
7.0	.84	.77	.72	.84	.77	.72	.82	.76	.71	.80	.75	.71	.79	.74	.70	.69
8.0	.79	.72	.67	.79	.72	.67	.77	.71	.67	.76	.70	.66	.74	.69	.66	.64
9.0	.75	.67	.63	.74	.67	.63	.73	.67	.62	.71	.66	.62	.70	.65	.62	.60
10.0	.70	.63	.59	.70	.63	.59	.69	.63	.58	.68	.62	.58	.67	.61	.58	.56



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-10-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.213	.121	.038	.204	.117	.037	.189	.108	.035	.174	.100	.032	.161	.093	.030		
2.0	.205	.112	.034	.198	.109	.034	.184	.102	.032	.172	.096	.030	.160	.091	.029		
3.0	.196	.104	.031	.190	.102	.031	.178	.097	.029	.167	.092	.028	.158	.087	.027		
4.0	.187	.097	.029	.182	.095	.028	.172	.091	.027	.162	.087	.026	.154	.083	.025		
5.0	.179	.091	.026	.174	.089	.026	.165	.086	.025	.157	.083	.025	.149	.080	.024		
6.0	.171	.086	.025	.167	.084	.024	.159	.081	.024	.151	.079	.023	.145	.076	.023		
7.0	.163	.081	.023	.160	.080	.023	.153	.077	.022	.146	.075	.022	.140	.073	.021		
8.0	.156	.076	.021	.153	.075	.021	.147	.073	.021	.141	.071	.021	.135	.069	.020		
9.0	.150	.072	.020	.147	.072	.020	.141	.070	.020	.136	.068	.019	.131	.066	.019		
10.0	.144	.069	.019	.141	.068	.019	.136	.067	.019	.131	.065	.018	.126	.064	.018		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.237	.237	.237	.203	.203	.203	.138	.138	.138	.079	.079	.079	.025	.025	.025	
1.0	.215	.198	.183	.184	.170	.158	.126	.117	.109	.072	.068	.064	.023	.022	.021	
2.0	.198	.170	.146	.169	.146	.126	.116	.101	.088	.067	.059	.052	.021	.019	.017	
3.0	.184	.148	.119	.158	.127	.103	.108	.088	.072	.063	.052	.042	.020	.017	.014	
4.0	.172	.131	.098	.148	.113	.086	.102	.079	.060	.059	.046	.036	.019	.015	.012	
5.0	.163	.117	.083	.140	.101	.073	.096	.071	.051	.056	.042	.030	.018	.014	.010	
6.0	.154	.106	.072	.133	.092	.063	.092	.065	.044	.053	.038	.026	.017	.012	.009	
7.0	.147	.098	.063	.127	.085	.055	.087	.059	.039	.051	.035	.023	.016	.011	.008	
8.0	.141	.091	.056	.121	.079	.049	.084	.055	.035	.049	.033	.021	.016	.011	.007	
9.0	.135	.085	.051	.116	.073	.044	.080	.052	.031	.047	.030	.019	.015	.010	.006	
10.0	.130	.080	.046	.112	.069	.040	.077	.049	.029	.045	.029	.017	.015	.009	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-10-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: VN-TL0030-03						TYPE:3000K CRI90 Black			WEIGHT:		
SPEC.:L						DIM.:			SERIAL No.:		
MFR.: 1						SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	23.4	24.4	23.7	24.6	24.8	23.4	24.4	23.6	24.5	24.7	
	3H	23.3	24.1	23.5	24.4	24.6	23.2	24.1	23.5	24.3	24.5
	4H	23.2	24.0	23.5	24.3	24.5	23.1	23.9	23.4	24.2	24.4
	6H	23.1	23.9	23.4	24.1	24.4	23.0	23.8	23.3	24.1	24.3
	8H	23.0	23.8	23.4	24.1	24.4	23.0	23.7	23.3	24.0	24.3
	12H	23.0	23.7	23.3	24.0	24.3	22.9	23.6	23.3	23.9	24.2
4H	2H	23.2	24.0	23.5	24.3	24.5	23.1	23.9	23.4	24.2	24.4
	3H	23.0	23.7	23.3	24.0	24.3	22.9	23.6	23.3	23.9	24.2
	4H	22.9	23.5	23.3	23.9	24.2	22.8	23.5	23.2	23.8	24.1
	6H	22.8	23.3	23.2	23.7	24.1	22.7	23.3	23.1	23.6	24.0
	8H	22.7	23.3	23.1	23.6	24.0	22.7	23.2	23.1	23.6	24.0
	12H	22.7	23.2	23.1	23.6	24.0	22.6	23.1	23.1	23.5	23.9
8H	4H	22.7	23.3	23.1	23.6	24.0	22.7	23.2	23.1	23.6	24.0
	6H	22.6	23.1	23.1	23.5	23.9	22.6	23.0	23.0	23.4	23.9
	8H	22.6	22.9	23.0	23.4	23.9	22.5	22.9	23.0	23.3	23.8
	12H	22.5	22.8	23.0	23.3	23.8	22.4	22.8	22.9	23.2	23.7
12H	4H	22.7	23.2	23.1	23.6	24.0	22.6	23.1	23.1	23.5	23.9
	6H	22.6	22.9	23.0	23.4	23.9	22.5	22.9	23.0	23.3	23.8
	8H	22.5	22.8	23.0	23.3	23.8	22.4	22.8	22.9	23.2	23.7
Variations with the observer position at spacings:											
S = 1.0H	+ 3.0 / -22.3					+ 2.9 / -20.7					
1.5H	+ 5.0 / -15.9					+ 4.9 / -15.2					
2.0H	+ 7.5 / - 1.\$					+ 7.3 / - 1.\$					

CIE Pub.117, 1818 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.1$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-10-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

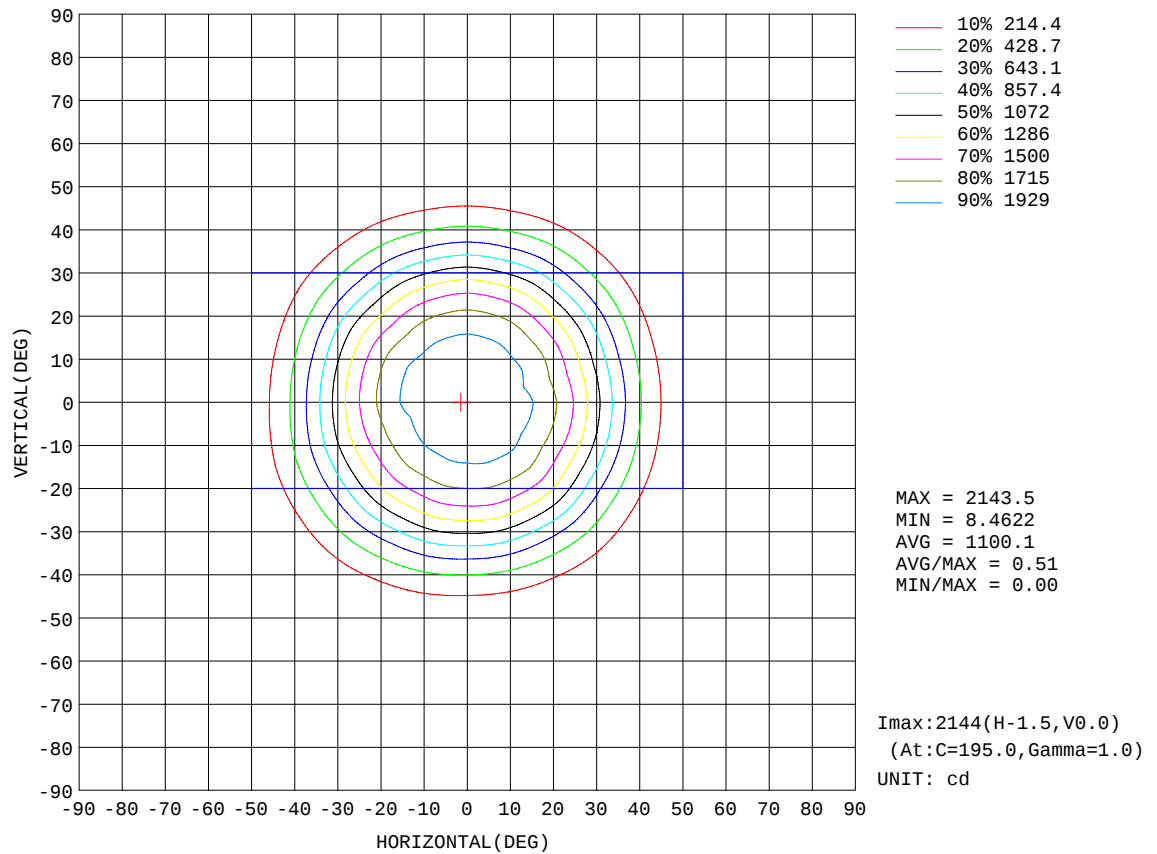
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	99	91	86	98	91	86	97	90	86	81
0.80	108	101	96	107	100	96	106	99	95	91
1.00	114	107	103	113	106	102	111	106	101	96
1.25	119	113	108	118	112	108	115	110	107	101
1.50	122	117	112	121	116	112	118	114	110	105
2.00	126	121	117	124	119	116	121	117	114	107
2.50	128	123	120	126	122	118	122	119	116	109
3.00	130	126	122	128	124	121	123	120	118	110
4.00	132	129	126	130	127	124	125	123	121	112
5.00	134	131	129	131	129	127	126	124	123	113
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-10-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

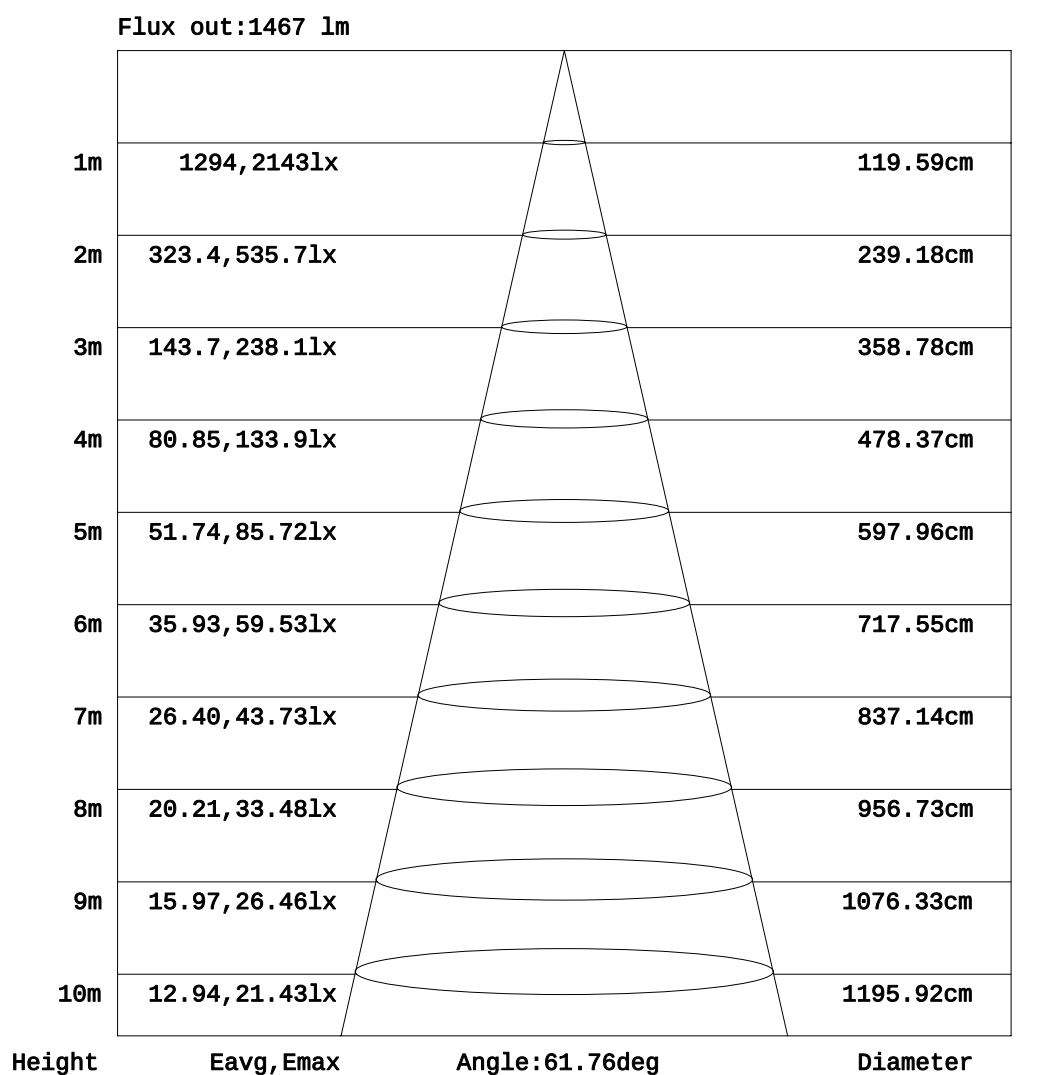


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 23DEG
Operators: XYJ
Test Date: 2018-10-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

AAI Figure

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



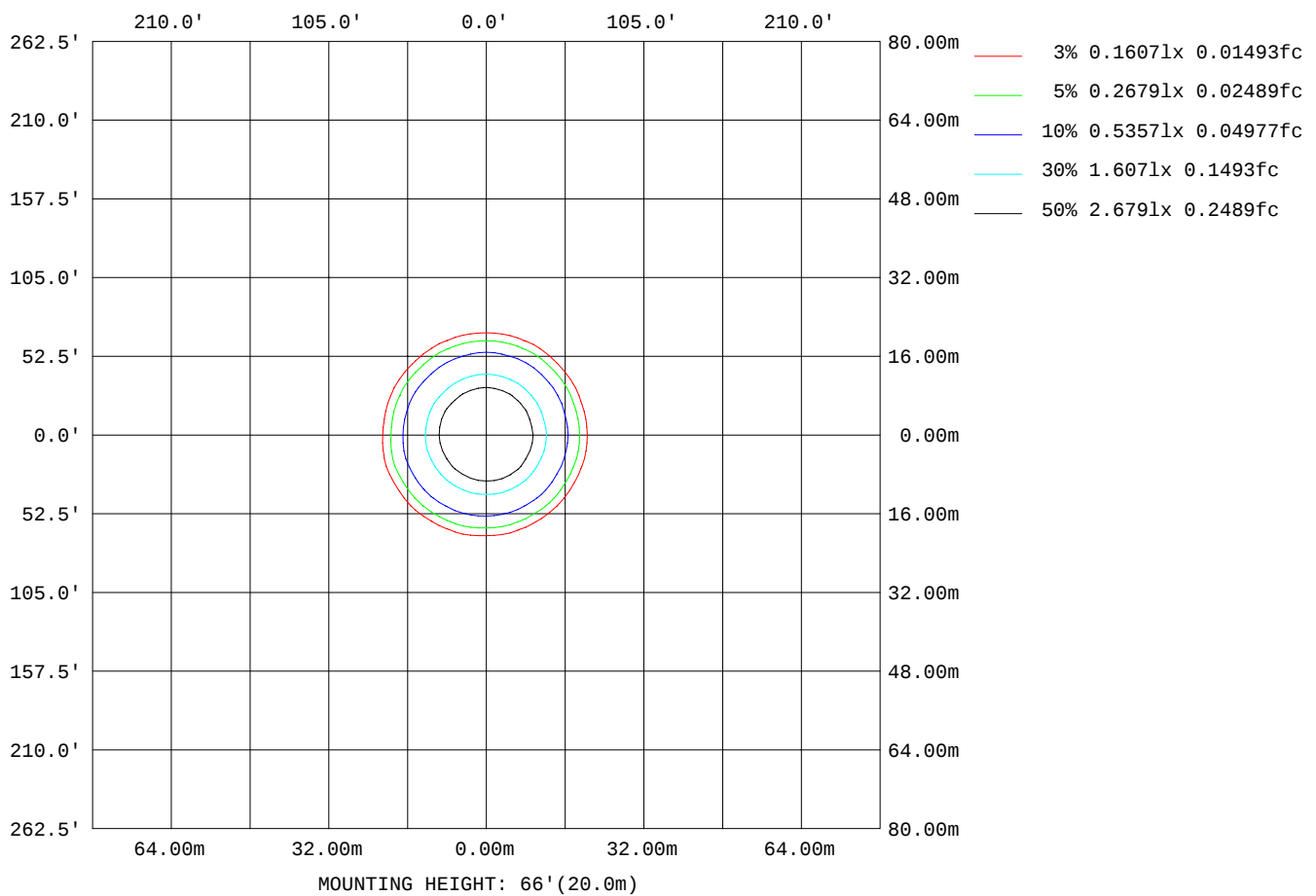
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2018-10-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-10-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

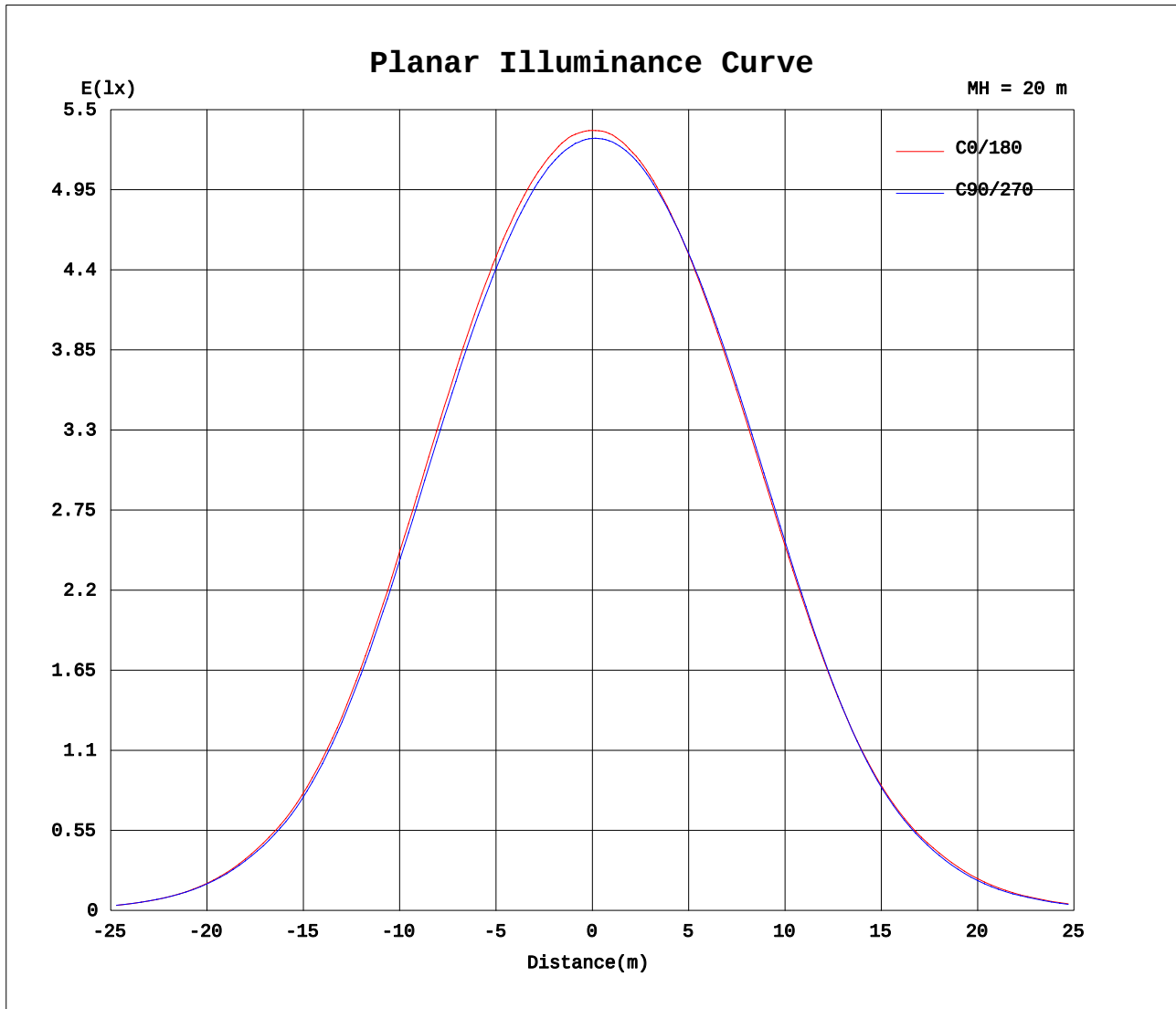
AvgL	cd/m2
L_0~180(65)av	0
L_0~180(75)av	0
L_0~180(85)av	0
L_90~270(65)av	0
L_90~270(75)av	0
L_90~270(85)av	0
L_45(65)av	0
L_45(75)av	0
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-10-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2018-10-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--1

UNIT: cd

γ (DEG) \ C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119	2119
5	2100	2099	2095	2101	2098	2098	2094	2094	2093	2097	2096	2102	2103	2105	2108	2100	2105	2107	2110
10	2035	2032	2025	2040	2032	2032	2024	2027	2024	2032	2029	2041	2041	2045	2054	2039	2046	2048	2056
15	1917	1912	1901	1925	1913	1914	1901	1905	1899	1914	1911	1931	1926	1934	1947	1923	1936	1941	1951
20	1730	1725	1711	1743	1727	1728	1712	1718	1709	1730	1726	1756	1745	1755	1773	1742	1762	1765	1778
25	1460	1458	1439	1475	1453	1459	1441	1451	1442	1470	1465	1505	1483	1494	1512	1479	1501	1502	1517
30	1118	1115	1096	1128	1106	1116	1100	1117	1110	1142	1140	1184	1151	1155	1176	1139	1163	1157	1173
35	751	748	728	749	731	742	735	757	757	791	792	832	789	788	802	769	787	778	793
40	443	436	423	430	420	429	430	449	457	483	487	515	479	477	483	463	469	465	472
45	209	208	198	203	198	206	207	223	229	249	254	276	246	243	246	231	235	229	234
50	73.6	73.4	69.5	72.9	70.8	74.9	75.2	82.3	84.7	94.2	96.0	109	93.6	92.9	95.6	88.6	90.7	86.9	88.2
55	15.5	15.8	14.7	16.4	16.1	17.8	17.8	20.1	20.2	23.6	23.7	27.8	22.6	21.7	23.0	20.5	21.3	19.3	19.3
60	1.48	1.55	1.43	1.86	1.97	2.49	2.44	2.74	2.69	3.08	2.97	3.29	2.64	2.41	2.54	2.24	2.49	2.30	2.37
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.69	0.69	0.75	0.62	0.68	0.64	0.68	0.60	0.61	0.48	0.48	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	2.52	2.53	2.62	2.44	2.52	2.48	2.54	2.44	2.47	2.30	2.32	2.20	0.83	0.80	0.71	0.80	0.72	0.78	0.75
125	4.68	4.71	4.81	4.60	4.70	4.66	4.74	4.64	4.67	4.48	4.50	4.37	2.74	2.70	2.59	2.72	2.62	2.68	2.64
130	7.07	7.10	7.23	7.00	7.11	7.08	7.18	7.07	7.11	6.92	6.93	6.80	4.96	4.90	4.79	4.93	4.83	4.89	4.84
135	9.57	9.62	9.75	9.53	9.65	9.63	9.74	9.64	9.69	9.49	9.51	9.38	7.37	7.30	7.20	7.35	7.24	7.28	7.23
140	12.1	12.1	12.2	12.1	12.2	12.2	12.3	12.2	12.3	12.1	12.1	12.0	9.84	9.76	9.66	9.82	9.70	9.72	9.68
145	14.4	14.5	14.6	14.4	14.5	14.6	14.8	14.6	14.7	14.5	14.5	14.4	12.2	12.1	12.0	12.2	12.0	12.1	12.1
150	16.5	16.5	16.6	16.4	16.5	16.7	16.9	16.8	16.7	16.6	16.6	16.6	14.4	14.3	14.2	14.3	14.1	14.2	14.2
155	18.2	18.1	18.0	17.9	18.1	18.4	18.6	18.5	18.3	18.2	18.2	18.3	16.2	16.1	15.9	15.9	15.9	16.1	16.1
160	19.5	19.4	19.3	19.2	19.3	19.6	19.8	19.7	19.5	19.4	19.5	19.8	17.7	17.6	17.5	17.4	17.5	17.6	17.7
165	20.6	20.6	20.4	20.4	20.7	20.8	20.9	20.9	20.8	20.7	20.8	21.0	19.2	19.2	19.0	19.0	19.1	19.2	19.3
170	21.7	21.7	21.7	21.8	21.9	22.0	22.1	22.0	22.0	22.0	22.2	22.3	20.8	21.0	21.0	20.9	20.8	20.9	21.0
175	22.8	22.8	22.9	23.1	23.2	23.1	23.1	23.1	23.2	23.4	23.4	23.5	22.5	22.6	22.8	22.8	22.7	22.7	22.6
180	23.5	23.6	23.6	23.8	23.7	23.6	23.6	23.6	23.7	24.0	23.9	24.0	23.6	23.6	23.7	23.8	23.7	23.6	23.7

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:XYJ
 Test Date:2018-10-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VN-TL0030-03	TYPE:3000K CRI90 Black	WEIGHT:
SPEC.:L	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	2119	2119	2119	2119	2119														
5	2108	2110	2106	2107	2102														
10	2053	2058	2048	2050	2040														
15	1945	1950	1933	1938	1925														
20	1769	1773	1751	1756	1738														
25	1504	1510	1482	1486	1468														
30	1156	1166	1134	1141	1124														
35	778	788	764	769	756														
40	464	470	455	455	447														
45	225	227	214	214	208														
50	82.7	82.9	75.5	75.4	71.4														
55	17.2	17.0	14.5	14.7	13.3														
60	2.01	1.92	1.43	1.36	1.05														
65	0.00	0.00	0.00	0.00	0.00														
70	0.00	0.00	0.00	0.00	0.00														
75	0.00	0.00	0.00	0.00	0.00														
80	0.00	0.00	0.00	0.00	0.00														
85	0.00	0.00	0.00	0.00	0.00														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.85	0.86	1.02	1.03	1.20														
125	2.75	2.75	2.94	2.96	3.17														
130	4.95	4.95	5.15	5.16	5.40														
135	7.32	7.32	7.53	7.53	7.78														
140	9.74	9.74	9.94	9.93	10.18														
145	12.1	12.0	12.2	12.2	12.5														
150	14.2	14.1	14.3	14.3	14.6														
155	16.0	15.9	16.0	16.0	16.3														
160	17.7	17.5	17.5	17.6	17.9														
165	19.3	19.3	19.2	19.2	19.5														
170	21.0	21.0	21.0	21.0	21.2														
175	22.7	22.9	22.9	22.7	22.9														
180	23.6	23.8	24.0	23.9	24.0														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-10-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks: